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| Substitute for Form 1449/PTO | Substitute for Form 1449/PTO AUG 0 4 2003 X | | Complete if Known | | |
| , | \2 | Application Number | 09/020,712 | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Filing Date | July 11, 2002 | | |
| | | First Named Inventor | Jung Chul LEE | | |
| | | Art Unit | ************************************** | | |
| (Ose as many si | icets as necessary) | Examiner Name | | | |
| Sheet 1 c | of 1 | Attorney Docket Number | 4577-50RE | | |

| | | | U.S. PATE | NT DOCUMENTS | |
|-----------------------|--------------------------|---|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind-Code ^{2 (il} known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | AA | US-5,657,426 | 8/1997 | Waters et al. | |
| | AB | US-5,677,739 | 10/1997 | Kirkland | |
| | AC | US-5,630,017 | 5/1997 | Gasper et al. | |
| | AD | US-5,689,618 | 11/1997 | Gasper et al. | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | RECEIVED |
| | | US- | | | AUG 0 7 2003 |
| | | US- | | | |
| | | US- | | | Technology Center 2600 |
| | | US- | | | 100th Drogy |
| | | US- | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|--------------------------|--|--------------------------------|--|---|----------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³⁻ Number ⁴⁻ Kind-Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T^{o} |
| - | AE | EP 0 689 362 A2 | 12/1995 | Chen | | |
| | ĀF | EP 0 225 729 B1 | 6/1987 | Welsh et al. | | |
| | AG | EP 0 706 170 A2 | 4/1996 | Foti et al. | | |
| | AH | JP 5313686 | 11/1993 | Keiko et al. | | Abstract |
| | AI | JP 6348811 | 12/1994 | Kenji et al. | | Abstract |
| | AJ | JP 4359299 | 12/1992 | Fumitaka et al. | | Abstract |
| | AK | GB 2231246 | 11/1990 | Norio et al. | | |
| | AL | JP 2234285 | 11/1990 | Norio et al. | | Abstract |

| Examiner Signature | Date Considered | |
|-----------------------|--------------------|--|

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